

Room of the Future

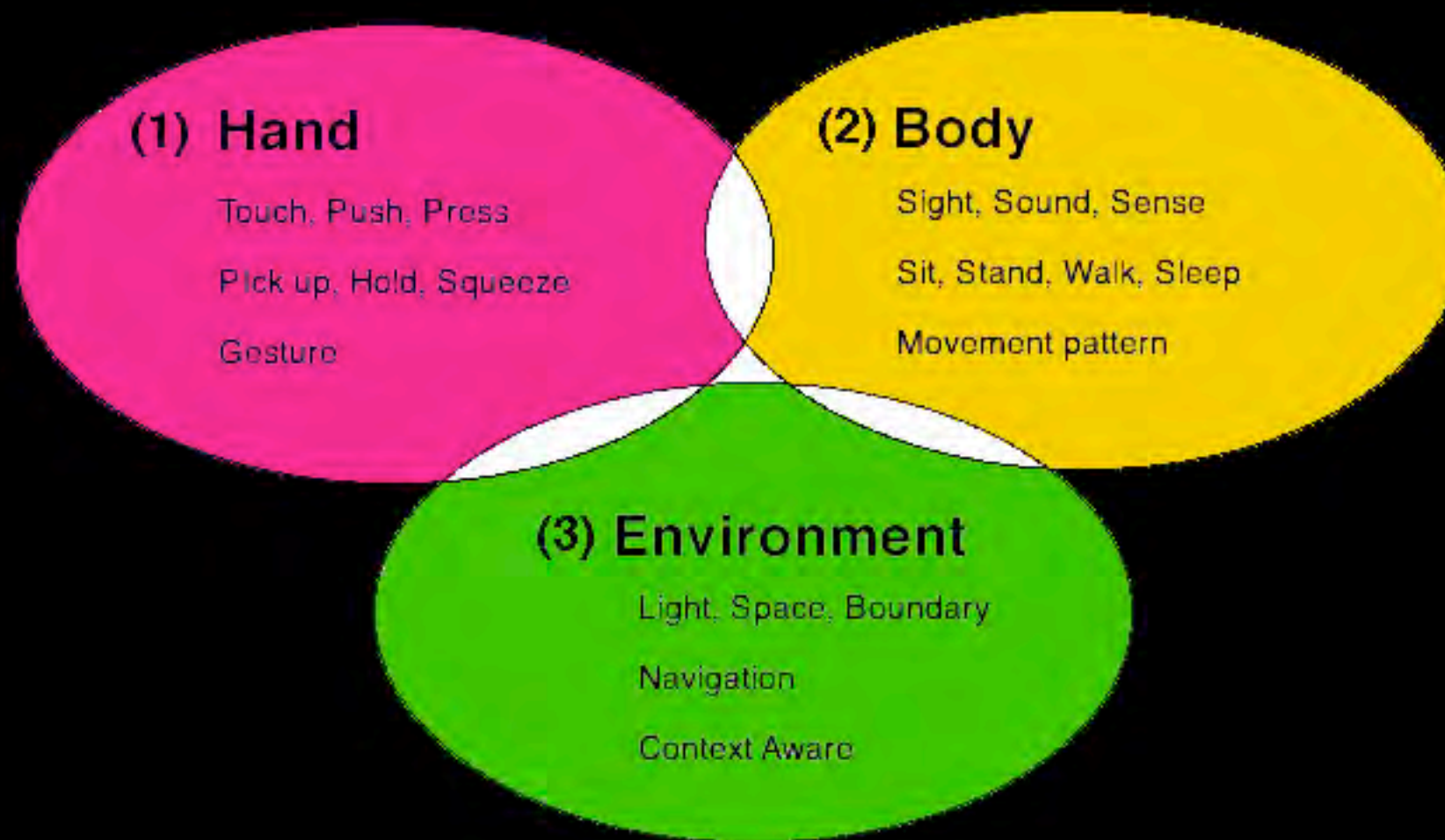
design, computation, and physical environments

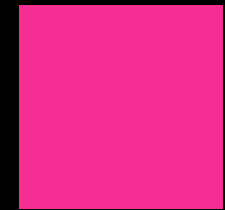


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A Human Centric View of Computational Environments





Hand - Intelligent Objects

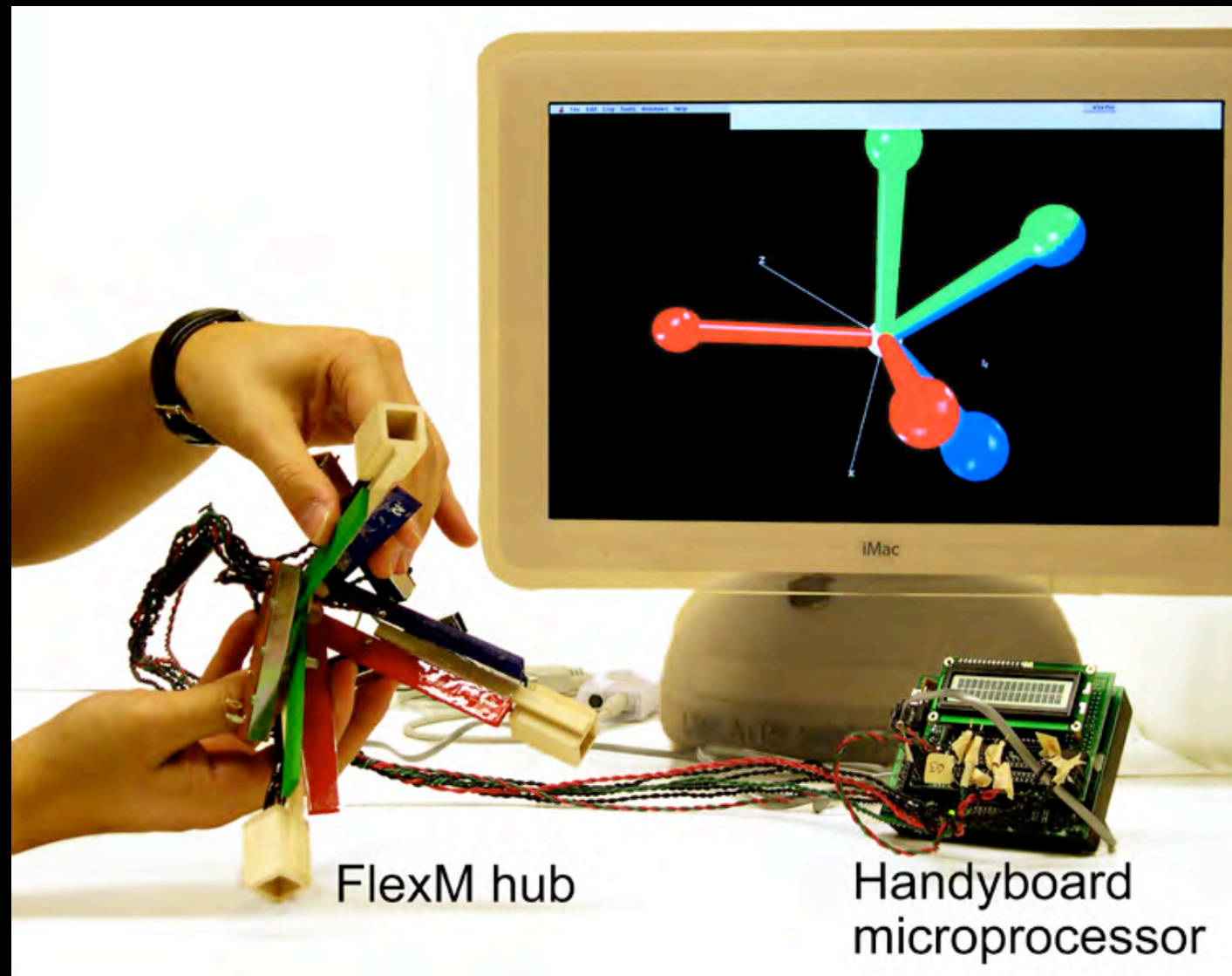


Digital Finger Painting



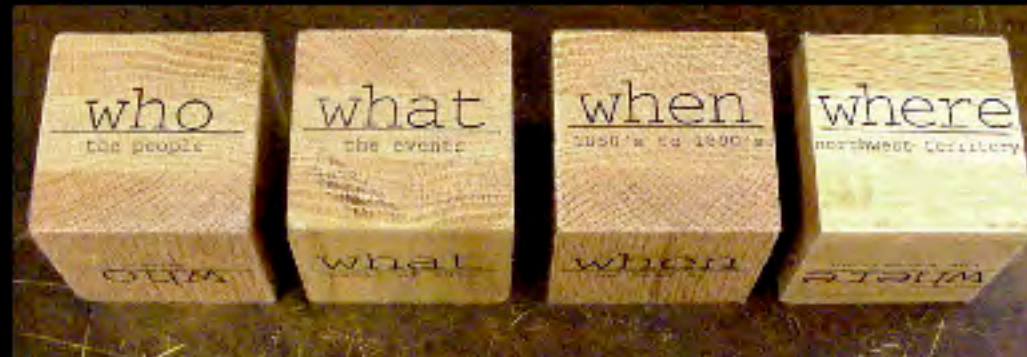
digital camera, touch screen, image processing,
biometric identification

Flex M



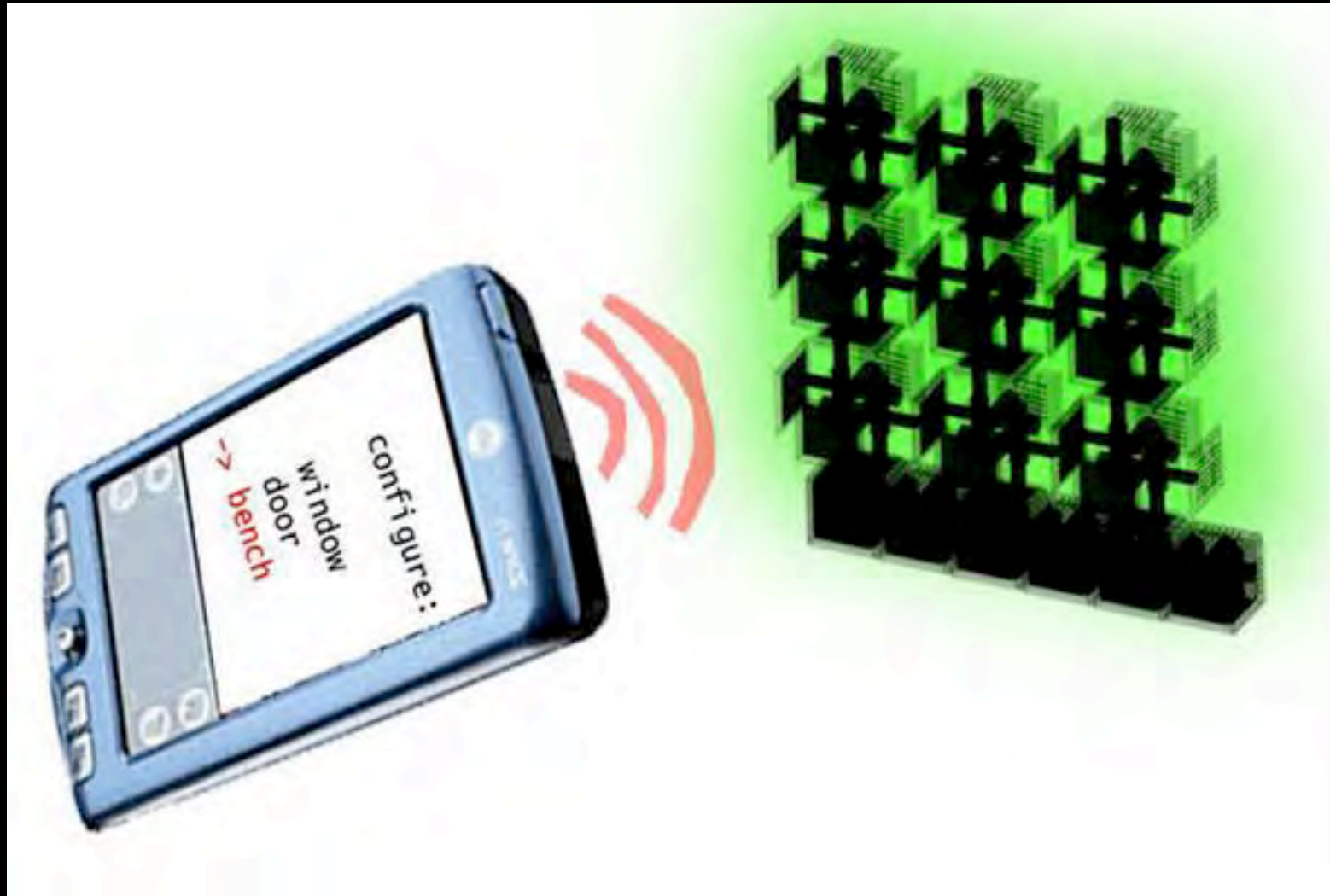
computational building kits with flexible hubs and struds

Navigational Blocks



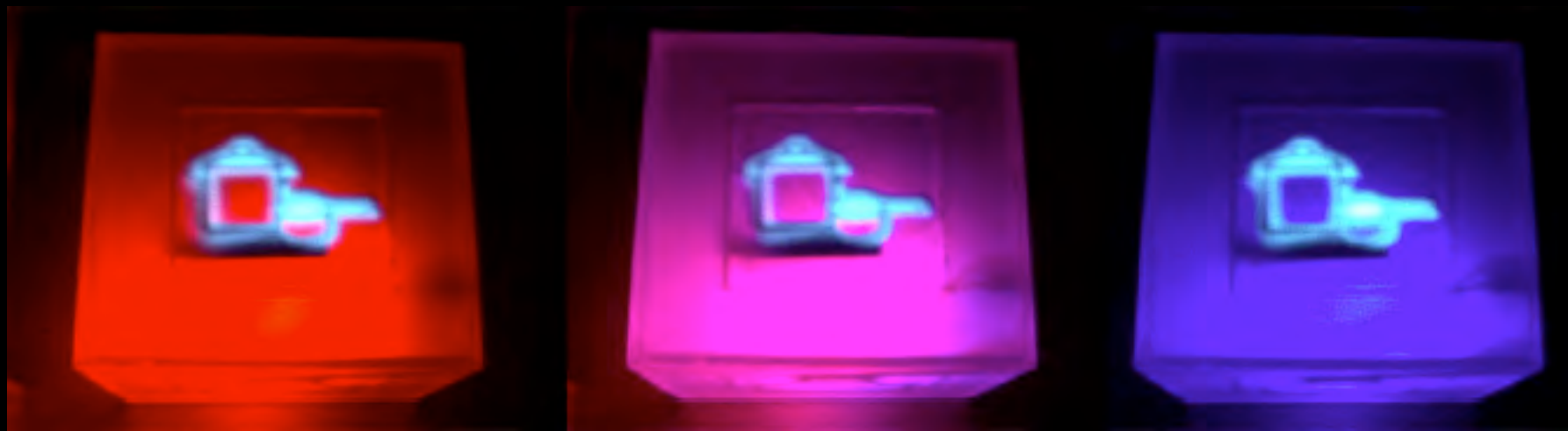
tangible query interface to multi-media information

Espresso Blocks



intelligent, self-organizing building blocks

Energy Cube

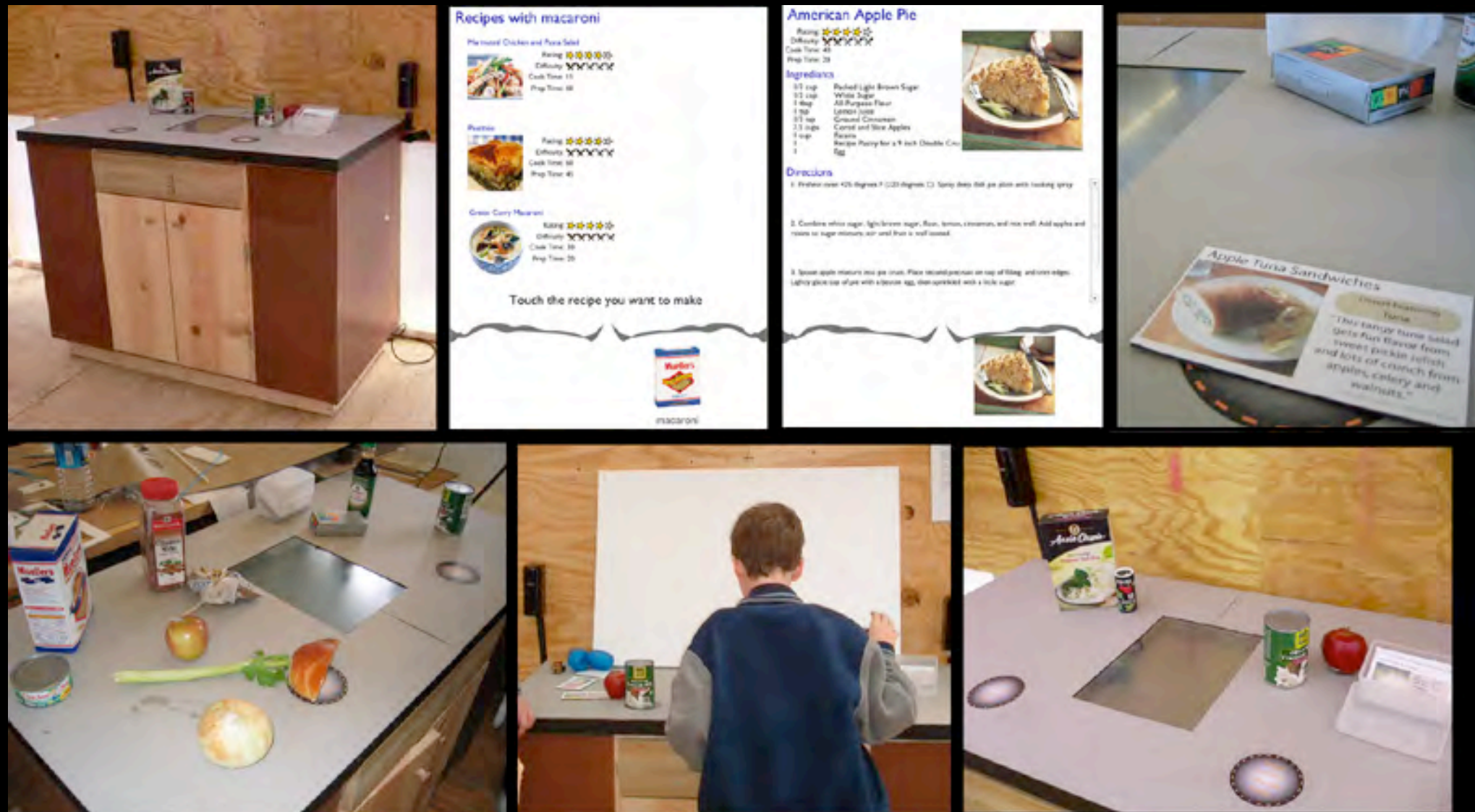


ambient display of energy consumption

■ Body - Responsive Furniture

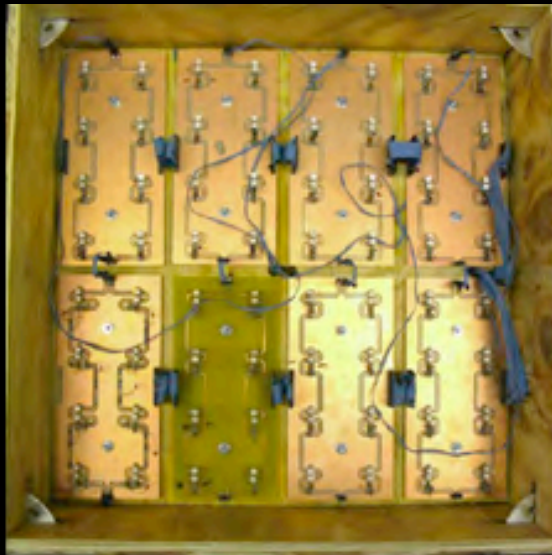


IntelliCook - smart kitchen counter



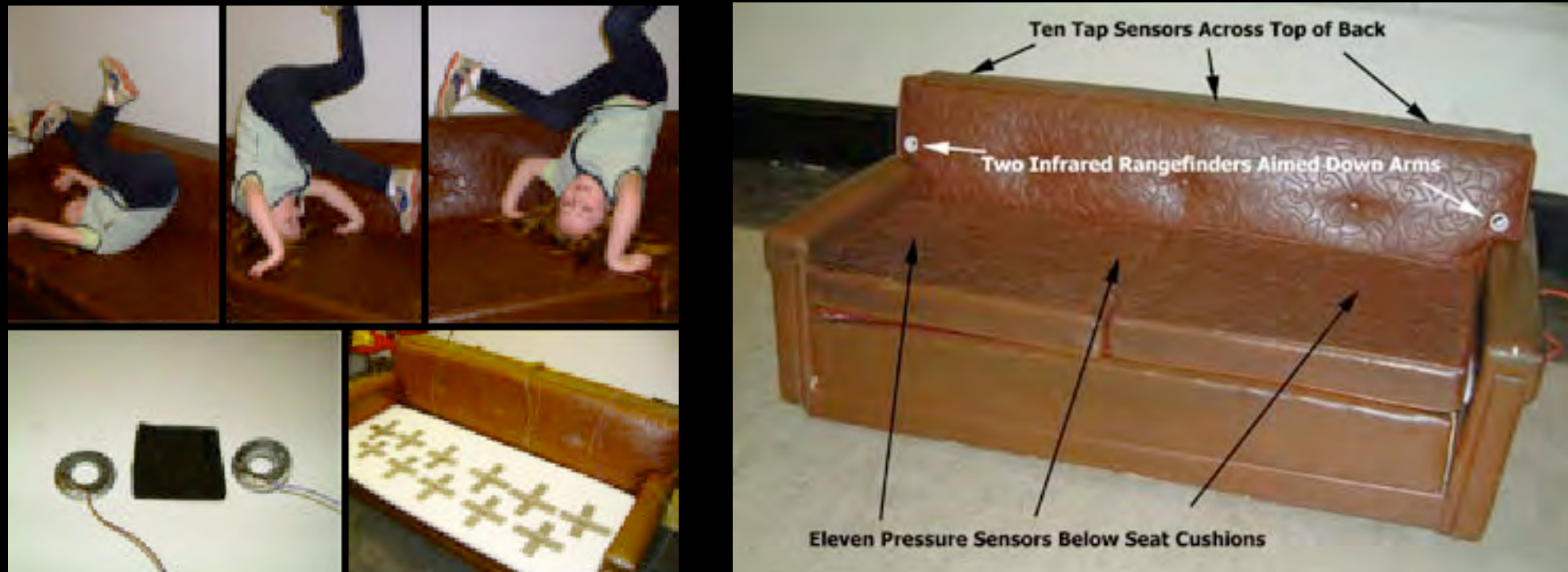
ingredient detection, XML recipe database, grocery lists, remote food check

Tele Tables



telepresence, shadowing lights, row-column photocells,
wireless communication

Music Under Pressure



responsive music chair with infrared rangefinders
and pressure sensors

Window Seat



chairware interface to virtual environment with remote camera control

Interactive Environments

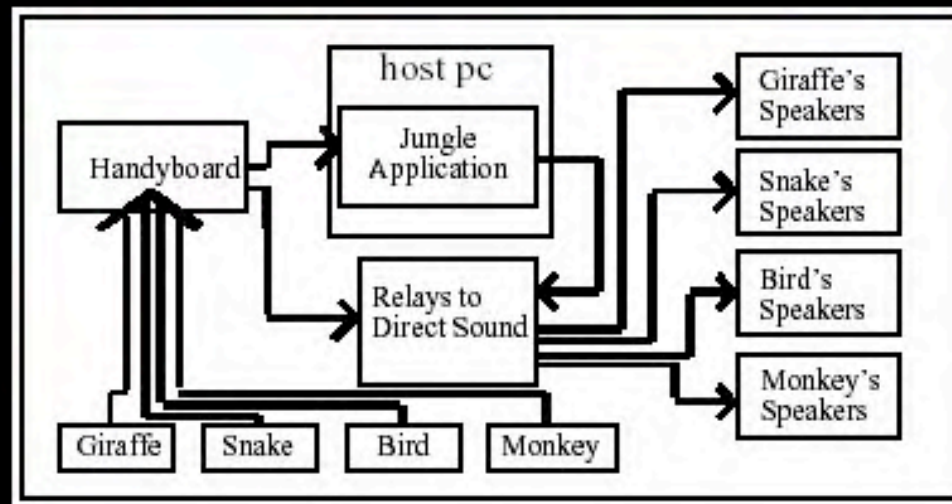


Analog Hypertext



physical demonstration of document relations

Jungle Room



multi-decision tree, non-linear narrative interactions

Alphabet Paint Space



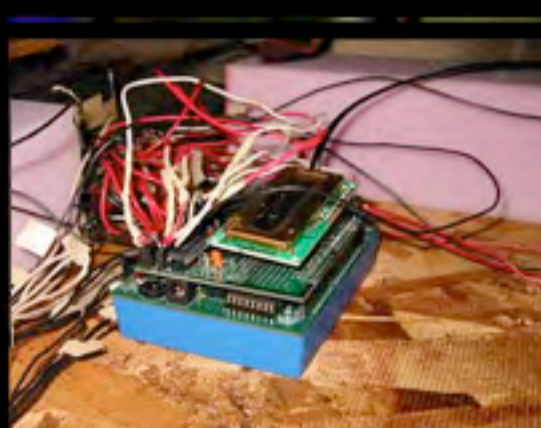
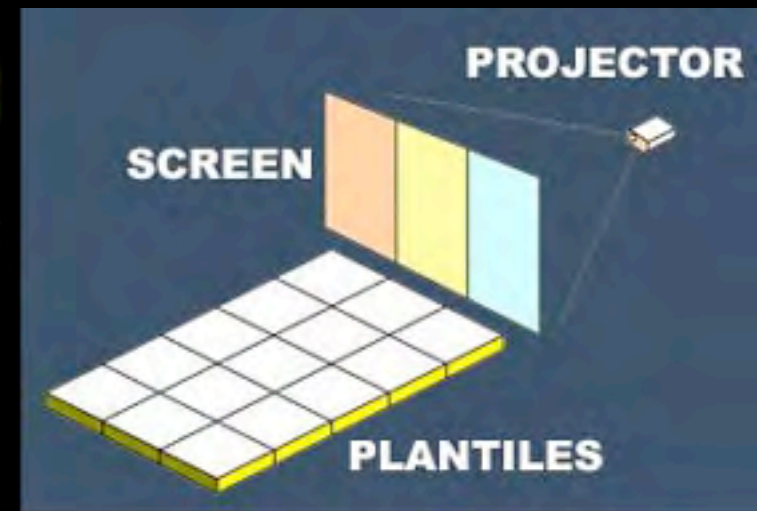
motion capture, image processing, sensors

Springy Kids Room



interactive space, movement tracking, bounces and changes state setting

Plant Tiles



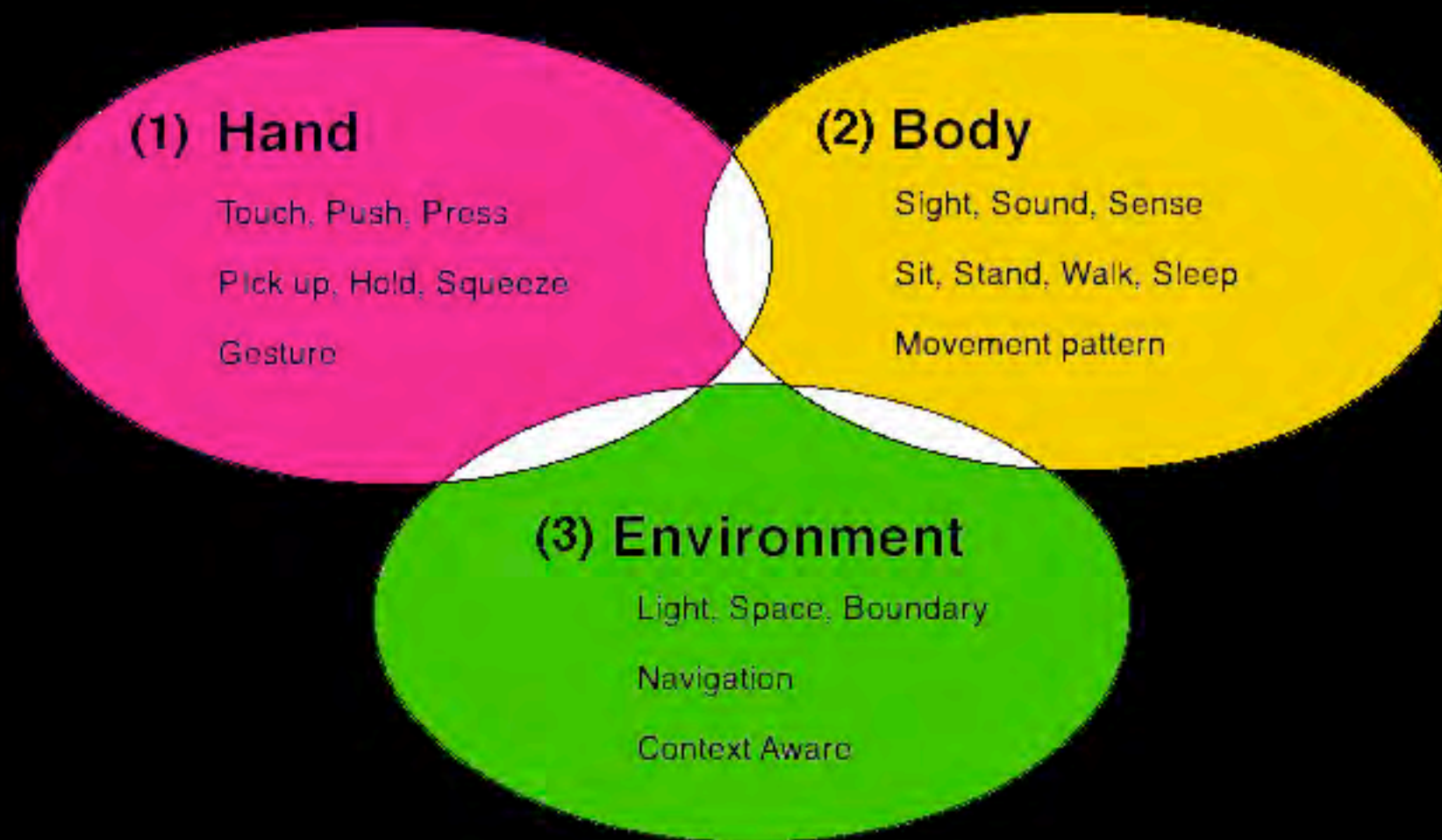
spatial interactions with embedded computation

 Intelligent Objects

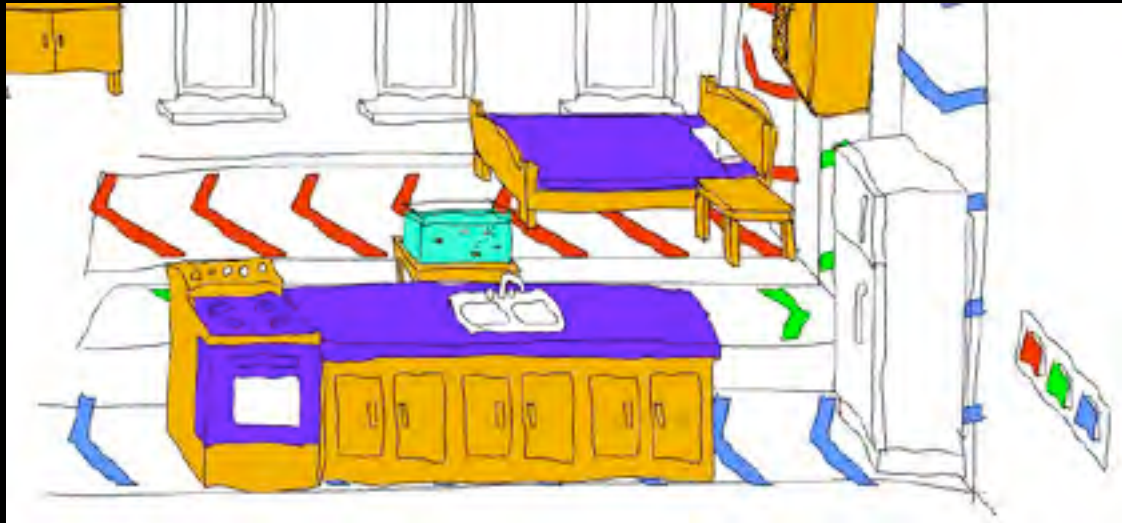
 Responsive Furniture

 Interactive Environments

A Human Centric View of Computational Environments



Room in the Digital Age



- . objects to think with
- . building as interface
- . embedded & ubiquitous computing
- . intelligent & responsive environments

Thanks

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